FICER Technology Co., Ltd.
明虹科技股份有限公司

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SKU: P2HCC01

CCWDM (Compact Coarse Wavelength Division Multiplexer) Single Fiber 18Ch 1271~1611nm MUX / DEMUX in 1U 19" Aluminum Rack with electrostatic coating, LC/UPC, IP25

Part Number: FCWM-18C2761-RBA1U-LP-E25



Overview

Ficer's CCWDM (Compact Coarse Wavelength Division Multiplexer) features ultra-low insertion loss, super thermal stability and reliability. The technology is based on TFF(Thin Flim Filter) and Free Space optics. This CCWDM is Telcordia GR-1209, GR-1221 and ITU-T G.694.2 compliant, qualified for uncontrolled environment applications and complied with industry green initiatives such as RoHS and WEEE.

Applications

- Telecommunication system
- 4G / 5G Mobile Networks
- Testing instruments
- Metro / Access Networks
- CATV System
- CWDM Networks

Features

- Compliant with Telcordia GR-1209, GR-1221
- Compliant with ITU-T G.694.2
- Low PDL and High Isolation
- Flat and Wide Passband
- Epoxy free optical path and excellent Reliability
- SMF LC/UPC connector
- Single Fiber Com Port for MUX / DEMUX
- Operating Temperature -10~+70°C
- Maximum Power Handling 500mW
- 1U 19” Aluminum enclosure Rack with electrostatic coating
- Installation accessories included
- IP25 Compliant for Indoor applications
- CE, RoHS Compliant

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Specifications

T_{OP} = -10 °C to 70 °C

Parameter		Specification Values
Operating Wavelength (nm)		1260 to 1620
Channel Number		18
Channel Central Wavelength (nm)		1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Channel Passband Central Wavelength (nm)		λc ± 6.5
Channel Spacing (nm)		20
Maximum Insertion Loss (dB)		≤ 3.0
Channel Passband Ripple (dB)		≤ 0.5
Isolation (dB)	Adjacent	≥ 30
	Non-adjacent	≥ 45
Polarization Dependent Loss (dB)		≤ 0.2
Polarization Mode Dispersion (ps)		≤ 0.2
Directivity (dB)		≥ 55
Return Loss (dB)		≥ 45
Maximum Power Handling (mW)		500
Operating Temperature (°C)		-10 ~ +70
Storage Temperature (°C)		-40 ~ +85
Connector Type		LC/UPC
1U Rack Size (mm) (without Ear)		W440 x D200 x H44
Compatible with existing Nokia, Ericsson, Huawei, and ZTE 3G/4G/5G equipment of Mobifone		

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